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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/802,450	03/17/2004	Tsai-Sheng Chiu	250915-1030	4016
24504	7590	09/14/2006	EXAMINER	
THOMAS, KAYDEN, HORSTEMEYER & RISLEY, LLP 100 GALLERIA PARKWAY, NW STE 1750 ATLANTA, GA 30339-5948			SCHNEIDER, JOSHUA D	
			ART UNIT	PAPER NUMBER
			2182	

DATE MAILED: 09/14/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	Application No. 10/802,450	Applicant(s) CHIU, TSAI-SHENG	
	Examiner Joshua D. Schneider	Art Unit 2182	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) ☒ Responsive to communication(s) filed on 02 July 2006.
- 2a) ☒ This action is **FINAL**.                      2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) ☒ Claim(s) 1 and 3-14 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1 and 3-14 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- |                                                                                                            |                                                                                         |
|------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)                                | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                       | 5) <input type="checkbox"/> Notice of Informal Patent Application                       |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____                                                |

## **DETAILED ACTION**

### ***Response to Arguments***

1. Applicant's arguments with respect to claim 1 have been considered but are moot in view of the new ground(s) of rejection.
2. The applicant's arguments with regards to the limitation regarding USB slots are considered persuasive to establish the term to mean a female USB connector.

### ***Specification***

3. The title of the invention is not descriptive. A new title is required that is clearly indicative of the invention to which the claims are directed.

### ***Claim Rejections - 35 USC § 112***

4. The following is a quotation of the second paragraph of 35 U.S.C. 112:  
  
The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.
5. Claims 1 and 3-14 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.
6. Claim 1 recites the limitation "detachably connected to one of the universal serial bus" in last two lines of the claim. There is insufficient antecedent basis for this limitation in the claim. No other limitation includes a single universal serial bus much less a plurality that the term "one of" suggests.
7. Dependant claims 3-14 are rejected for incorporating the same indefinite subject matter of the independent claim upon which they depend.

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8. All further rejections are made in light of the specification as best understood in view of the previous objections and rejections.

***Claim Rejections - 35 USC § 102***

9. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

10. Claims 1, 3-6, and 8-14 are rejected under 35 U.S.C. 102(e) as being anticipated by U.S. Patent 6,894,902 to Chang.

11. With regards to claim 1, Chang teaches a housing (Fig. 1, element 1); an integrated circuit board, disposed in the housing (Figs. 1 and 2, elements 2, 23, 24), comprising a plurality of universal serial bus slots thereon (Fig. 1 and 2, elements 231-233 and 241-244); and a first peripheral device disposed in the housing, detachably connected to one of the universal serial bus (Fig. 1, elements A-D).

12. With regards to claim 3, Chang teaches the first peripheral device comprises a converter and first universal serial bus connector (card reader, Fig. 1, elements 1, 26, and B), inserted into one of the universal serial bus slots, such that signals of the first peripheral device are converted to universal serial bus signals by the converter (Fig. 1, element B).

13. With regards to claim 4, Chang teaches the first peripheral device is shaped into plate (Fig. 1, elements A-D).

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14. With regards to claim 5, 6, and 8, Chang teaches the first peripheral device comprises a hard disk drive, an optical disk drive, and a floppy disk drive (Fig. 1, elements A-D).

15. With regards to claims 9 and 10, Chang inherently teaches the integrated device further comprising a central processing device, detachably connected to one the universal serial bus slots, such that signals of the central processing device are converted to universal serial bus signals by the converter (Fig. 1, elements A-D). Chang does not explicitly teach having a central processing device, but such a processing device is inherently necessary to take signals read from a smart card, floppy drive, or a hard drive and covert them into USB signals.

16. With regards to claim 11, Chang teaches further comprising a universal serial bus port disposed in the housing and a second peripheral device, connected to the integrated circuit board through the universal serial bus port (Fig. 1, element 25).

17. With regards to claim 12, Chang teaches the second peripheral device comprises a digital camera or scanner (column 2, lines 60-65).

18. With regards to claim 13, Chang teaches the integrated circuit board further comprises a second universal serial bus connector for connection with other computers (Fig. 1, element 21).

19. With regards to claim 14, Chang teaches an opening corresponding the integrated circuit board in the housing (Fig. 1, elements 1 and 2).

### ***Claim Rejections - 35 USC § 103***

20. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

21. Claim 7 is rejected under 35 U.S.C. 103(a) as being unpatentable over U.S. Patent 6,894,902 to Chang in further view of U.S. Patent 6,654,817 to Huang.

22. With regards to claim 7, Chang does not teach a modem, however, Huang teaches that it was well known to have USB modems as a type of available peripheral card (Figs. 5 and 6). It would have been obvious to one of ordinary skill in the art at the time of invention to combine the USB modem card of Huang with the USB housing device of Chang in order to increase the function availability and decrease the difficulty of assembly for adding a modem function to add competitive appeal.

### *Conclusion*

23. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Joshua D. Schneider whose telephone number is (571) 272-4158. The examiner can normally be reached on M-F, 8-4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kim Huynh can be reached on (571) 272-4147. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

JDS



**KIM HUYNH**  
**SUPERVISORY PATENT EXAMINER**

9/12/06